

TABLE 9

**Extramural R&D plant and fields of R&D by type of agreement, by agency: FY 2021**

(Dollars in thousands)

Agency	Total R&D and R&D plant		R&D		R&D plant	
	Contracts	Grants	Contracts	Grants	Contracts	Grants
All agencies	49,716,143	52,773,694	48,891,671	52,217,619	824,473	556,076
Departments						
Department of Agriculture	221,619	966,078	221,619	966,078	0	0
Agricultural Marketing Service	0	6,068	0	6,068	0	0
Agricultural Research Service	210,062	0	210,062	0	0	0
Animal and Plant Health Inspection Service	0	12,532	0	12,532	0	0
Economic Research Service	10,556	0	10,556	0	0	0
Forest Service	0	27,416	0	27,416	0	0
National Agricultural Statistics Service	1,001	0	1,001	0	0	0
National Institute of Food and Agriculture	0	917,382	0	917,382	0	0
Natural Resources Conservation Service	0	2,680	0	2,680	0	0
Department of Commerce	48,721	433,208	48,586	433,192	135	*
National Institute of Standards and Technology	32,546	148,637	32,546	148,637	0	0
National Oceanic and Atmospheric Administration	16,176	284,571	16,041	284,555	135	*
Department of Defense	36,635,838	3,551,439	36,634,186	3,551,439	1,651	0
Defense Advanced Research Projects Agency	2,826,120	399,541	2,826,120	399,541	0	0
Defense Health Agency	484,764	1,333,850	484,764	1,333,850	0	0
Department of the Air Force	6,987,733	385,071	6,987,733	385,071	0	0
Department of the Army	6,379,377	0	6,379,377	0	0	0
Department of the Navy	6,098,349	817,844	6,098,349	817,844	0	0
Space Force	4,849,923	0	4,849,923	0	0	0
Other defense agencies	9,009,571	615,132	9,007,920	615,132	1,651	0
Department of Education	56,023	307,634	56,023	307,634	0	0
Department of Energy	3,196,750	1,969,990	2,612,815	1,969,990	583,935	0
Advanced Research Projects Agency—Energy	18,826	259,497	18,826	259,497	0	0
Electricity Delivery and Energy Reliability	33,140	0	33,140	0	0	0
Energy Efficiency and Renewable Energy	1,154,106	0	1,154,106	0	0	0
Environmental Management	0	5,000	0	5,000	0	0
Fossil Energy	0	202,502	0	202,502	0	0
National Nuclear Security Administration	1,917,611	11,121	1,351,334	11,121	566,277	0
Defense Programs	475,741	0	240,464	0	235,277	0
Naval Nuclear Propulsion Program	1,420,666	1,002	1,089,666	1,002	331,000	0
Office of Defense Nuclear Nonproliferation	21,204	10,119	21,204	10,119	0	0
Nuclear Energy	6,919	131,110	6,919	131,110	0	0
Office of Science	66,148	1,360,761	48,490	1,360,761	17,658	0
Department of Health and Human Services	5,799,496	32,172,814	5,639,490	32,075,600	160,005	97,215
Administration for Children and Families	4,225	0	4,225	0	0	0
Administration for Community Living	0	106,908	0	106,908	0	0
Agency for Healthcare Research and Quality	0	261,217	0	261,217	0	0
Agency for Toxic Substances and Disease Registry	0	10,935	0	10,935	0	0
Biomedical Advanced Research and Development Authority	2,657,203	0	2,497,198	0	160,005	0
Centers for Disease Control and Prevention	318,356	268,889	318,356	268,889	0	0
Centers for Medicare and Medicaid Services	500	420,203	500	420,203	0	0
Food and Drug Administration	0	133,985	0	133,985	0	0
Health Resources and Services Administration	567	35,684	567	35,684	0	0
National Institutes of Health	2,804,359	30,934,993	2,804,359	30,837,778	0	97,215
Office of the Secretary of Health and Human Services	14,286	0	14,286	0	0	0
Office of the Assistant Secretary for Planning and Evaluation	14,286	0	14,286	0	0	0
Department of Homeland Security	254,911	35,647	240,267	35,647	14,644	0
Coast Guard	10,276	0	10,276	0	0	0

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	Contracts	Grants	Contracts	Grants	Contracts	Grants
Countering Weapons of Mass Destruction Office	11,152	7,034	11,152	7,034	0	0
Cybersecurity and Infrastructure Security Agency	7,326	0	7,326	0	0	0
Science and Technology Directorate	226,156	28,613	211,513	28,613	14,644	0
Department of the Interior	44,862	86,658	33,567	86,658	11,295	0
Bureau of Indian Affairs	0	5,000	0	5,000	0	0
Bureau of Land Management	6,072	0	6,072	0	0	0
Bureau of Ocean Energy Management	11,677	10,429	11,677	10,429	0	0
Bureau of Reclamation	4,935	7,534	4,135	7,534	800	0
Bureau of Safety and Environmental Enforcement	20,794	0	10,299	0	10,495	0
Geological Survey	1,384	52,738	1,384	52,738	0	0
National Park Service	0	10,957	0	10,957	0	0
Department of Justice	6,626	67,026	6,626	67,026	0	0
Bureau of Prisons	*	0	*	0	0	0
Federal Bureau of Investigation	3,698	0	3,698	0	0	0
Office of Justice Programs	2,922	67,026	2,922	67,026	0	0
Department of Labor	897	0	897	0	0	0
Employee Benefits Security Administration	897	0	897	0	0	0
Department of Transportation	475,146	406,356	438,124	406,356	37,022	0
Federal Aviation Administration	307,666	62,926	272,576	62,926	35,090	0
Federal Highway Administration	119,733	230,614	119,733	230,614	0	0
Federal Motor Carrier Safety Administration	8,554	0	8,554	0	0	0
Federal Railroad Administration	29,548	3,100	28,116	3,100	1,432	0
Federal Transit Administration	0	42,797	0	42,797	0	0
National Highway Traffic Safety Administration	1,000	65,059	500	65,059	500	0
Office of the Secretary of Transportation	216	0	216	0	0	0
Pipeline and Hazardous Materials Safety Administration	8,429	1,859	8,429	1,859	0	0
Department of the Treasury	42,818	0	42,818	0	0	0
Bureau of Engraving and Printing	42,818	0	42,818	0	0	0
Other agencies						
Agency for Global Media	4,597	0	4,597	0	0	0
Agency for International Development	10,798	61,715	10,798	61,715	0	0
Appalachian Regional Commission	650	0	650	0	0	0
Consumer Product Safety Commission	150	0	150	0	0	0
Environmental Protection Agency	206,898	54,671	201,088	54,671	5,810	0
National Aeronautics and Space Administration	2,378,166	5,623,129	2,371,292	5,580,724	6,874	42,405
National Science Foundation	264,559	6,553,658	261,457	6,137,218	3,102	416,440
Nuclear Regulatory Commission	10,724	8,750	10,724	8,750	0	0
Patient-Centered Outcomes Research Trust Fund	0	460,331	0	460,331	0	0
Postal Service	15,435	0	15,435	0	0	0
Social Security Administration	23,516	14,590	23,516	14,590	0	0
Tennessee Valley Authority	16,942	0	16,942	0	0	0

\* = amount greater than \$0 but less than \$50,000.

**Note(s):**

Because of rounding, detail may not add to total. Only those agencies and subdivisions that had obligations in variables represented by this table appear in the table. FY 2021 obligations include additional funding provided by supplemental COVID-19 pandemic-related appropriations (e.g., Coronavirus Aid, Relief, and Economic Security [CARES] Act). See technical table A-2 for additional notes associated with the agencies listed in this table.

**Source(s):**

National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development, FYs 2021–22.